

Tarik Eshaq

5960 Student Union Blvd. Vancouver, B.C. V6T 1Z1

🌐 tarikeshaq.com

✉ tarikesh@student.ubc.ca

📞 tarikeshaq

📠 (403) 671-3386

TECHNICAL SKILLS

- Programming Languages: Rust, Go, C, JavaScript, Python, C++, Java, TypeScript
- Other technologies: Git & Github, PostgreSQL, MongoDB, Node.JS, Docker, Jenkins, Jira, React, Redux, gRPC, REST, Service Workers, IndexedDB, WebAssembly, Github Actions, CircleCi

EDUCATION

University of British Columbia

Vancouver, BC

Combined Major in Computer Science and Business, GPA: 4.0/4.33

Graduation: April 2021

- Relevant Courses: Database Management Systems (96%), Intermediate Algorithm Design and Analysis (95%), Advanced Operating Systems (Current), Parallel Computation (Current), Distributed Systems (Current)
- Dean's Honor List for all terms to date

EXPERIENCE

Mozilla

Vancouver, BC

Software Engineering Intern, Firefox Sync

May 2020 - August 2020

- Worked directly on Firefox's Rust components, writing cross-platform production code that landed on both Firefox Android and IOS, serving Firefox's millions of users.
- Abstracted away how Android and IOS applications interact with Rust libraries by working on an open source low-level library for cross-platform development. The abstraction is used by multiple teams at Mozilla.
- Drove forward a cross-platform experimentation platform that allowed Firefox to create quick feedback loops from its experiments. This allowed a better understanding of Firefox's users.

University of British Columbia

Vancouver, BC

Computer Science Teaching Assistant

July 2019 - Current

- Leading labs of up to 30 people for CPSC 213 (Introduction to Computer Systems)
- Collaborating closely with the professors to prepare labs, tutorials and quizzes for online education
- Teaching students about the basics of Systems Programming, C, Assembly and the fundamentals of Asynchronous, Concurrent and Parallel programming

SAP

Vancouver, BC

Software Engineering Intern

Sept 2018 - May 2019

- Created and unit tested a novel widget using React, Redux and TypeScript that was proven scalable and selected as a standard for implementing other widgets across the product in multiple SAP offices
- Lead the authentication effort that was vital to hit the application's yearly performance goal of improving the load time by five times, utilizing Web Workers, Service Worker, IndexedDB and JavaScript ES6
- Represented over 180 interns at SAP as an Intern Committee member, planning social events

PROJECTS

Update-notifier (Open Source)

July 2020 - Current

- Maintaining a library that notifies Command Line Interface users when an update is available.
- Configured the notifier to be cross-platform and allow for different time intervals, to create flexibility.
- Technologies Used: Rust, Github Actions, REST APIs

Elo-Pool

Nov 2018

- Built an application that maintains an ELO based ranking for Pool and Ping Pong at SAP and used Slack's API to declare wins and losses, the application was built to motivate interns to get to know each other
- Shared the application with over 180 interns at SAP and received positive feedback
- Technologies Used: JavaScript, Node.JS, Express.JS, MongoDB, REST APIs

ADDITIONAL

- Currently a Tech Lead in UBC Launch Pad, UBC's Software Engineering club, leading a group of 12 students in a term long project.
- Hackathons: EduHacks, BizHacks, nwHacks, Vancouver Startup Week Hackathon
- Interests: Soccer, Computer Ethics, History